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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/037,842

01/02/2002

Dan Kikinis

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08/09/2006

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EXAMINER

SHAW, PELING ANDY

ART UNIT

PAPER NUMBER

2144

DATE MAILED: 08/09/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/037,842

Applicant(s)

KIKINIS, DAN

Examiner

Peling A. Shaw

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2144

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 26 May 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 45-80 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 45-80 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>05/26/2006</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Continued Examination under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 05/26/2006 has been entered. Claims 1-44 are cancelled. Claims 45-80 are new. Claims 45-80 are currently pending.
2. Amendment received on 08/18/2005 was entered. Claims 1 and 25 were amended. Claims 26-44 were new.

Priority

3. This application has claimed a priority of 60/264,937 filed on 01/29/2001. The filing date is 01/02/2002.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless --

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 45, 50-52, 56-58, 64, 68-70 and 79-80 are rejected under 35 U.S.C. 102(e) as being anticipated by Grantges (US 6324648 B1), hereinafter referred as Grantges.

- a. Regarding claim 45, Grantges disclosed a remote gateway agent (Fig. 1; column 3, line 64-column4, line 22: DMZ server) for enabling remote data access to and task execution on a processing system (Fig. 1; column 3, line 64-column4, line 22: application servers 24s) through a remote proxy agent (Fig. 1; column 3, line 64-column4, line 22: proxy server 34) comprising: the remote gateway agent residing on a gateway, wherein the gateway is accessible to a user device and to a remote proxy agent via a network, and wherein the remote gateway agent is adapted for: receiving a request from the user device for a task to be performed by the processing system (column 4, lines 38-40: HTTP request); and forwarding the task request to the remote proxy agent residing on the processing system, wherein the remote proxy agent is adapted for: receiving and analyzing the task request from the remote gateway agent (column 3, line 26-30; column 6, line 37-column 7, line 12: application gateway authenticate and map the message to destined application server); directing the request to the processing system for processing (column 7, lines 1-12: establish secure connection, map the message to destined application server); and sending a result from the processing system to the remote gateway agent (Fig. 2, items 76 and 78; column 9, lines 19-35: request and result, i.e. options page); and wherein the remote gateway agent is further adapted for sending the result to the user device via the network (Fig. 2, items 76 and 78; column 9, lines 19-35: request and result, i.e. options page via DMZ proxy server).

- b. Regarding claim 50, Grantges disclosed the remote gateway agent of claim 45, wherein the remote gateway agent is further adapted for: receiving a registration request from the remote proxy agent, wherein the remote proxy agent resides on the processing system; and registering the remote proxy agent with the remote gateway agent (column 4, line 23-65).
- c. Regarding claim 51, Grantges disclosed the remote gateway agent of claim 45, wherein the remote gateway agent is further adapted for: determining whether the user device is entitled to request the task from the processing system (column 6, lines 12-27: first level authentication); and establishing a path to a remote proxy agent if the user device is entitle to request the task from the processing system (column 6, lines 38-67: second secure connection).
- d. Regarding claim 52, Grantges disclosed the remote gateway of claim 45, wherein the remote proxy agent is further adapted for registering with the remote gateway agent (column 4, line 23-65).
- e. Regarding claim 56, Grantges disclosed the remote gateway agent of claim 45, wherein the request specifies a serial execution of serial tasks and return of results (Fig. 8, column 14, line 25-column 15, line 63: a serial execution of tasks for web browsing).
- f. Regarding claim 57, Grantges disclosed the remote gateway agent of claim 45, wherein a plurality of requests are sent to the processing system in an un-interrupted data session (Fig. 8, column 14, line 25-column 15, line 63: the request is in one session).

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g. Claims 58, 64 and 70 are of the same scope as claims 45 and 50. These are rejected for the same reasons as for claims 45 and 50.

h. Claims 68-69 and 79-80 are of the same scope as claims 56-57. These are rejected for the same reasons as for claims 56-57.

Grantges disclosed all limitations of claims 45, 50-52, 56-58, 64, 68-70 and 79-80. Claims 45, 50-52, 56-58, 64, 68-70 and 79-80 are rejected under 35 U.S.C. 102(e).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 46, 48-49, 59, 61-63 and 71-74 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grantges (US 6324648 B1), hereinafter referred as Grantges, and further in view of Anderson et al. (US 6633905 B1), hereinafter referred as Anderson and Staples et al. (US 20020118671 A1), hereinafter referred as Staples.

a. Grantges shows claims 45, 58 and 70 as above. Grantges does not show (claim 46) wherein the processing system is selected from the group consisting of a personal computer, a multipurpose printing center, and a computer-connected peripheral. However Grantges shows (Fig. 1; column 3, line 64-column4, line 22) application servers 24s in computer system 20 are connected to application gateway.

- b. Anderson shows (claim 46) wherein the processing system is selected from the group consisting of a personal computer (column 5, lines 40-48: pcAnywhere, Remotely Possible and Carbon Copy shows remote access a person computer) and a computer-connected peripheral (column 5, line 11-18: remote power control) in an analogous art for the purpose of accessing and operating personal computers remotely.
- c. Staples shows (claim 46) wherein the processing system is selected from the group consisting of a multipurpose printing center (Fig. 1: printer server) in an analogous art for the purpose of extending office telephony and network data services to a remote client through the internet.
- d. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Grantges' functions of secure gateway with Staples' explicitly identified functions of printing and Anderson's functions of remote accessing and operating computer.
- e. The modification would have been obvious because one of ordinary skill in the art would have been motivated to extend Grantges' remote access control functions for a computer system of application servers to any computer based system per Anderson (column 5, lines 40-48) and Staples' teaching (column 5, line 11-18).
- f. Regarding claim 48, Staples show wherein the processing system comprises at least one application selected from the group consisting of an e-mail application, a word processing application, a facsimile application, a telephony application, and an operating system component application (Fig. 1: Email server and FAX server).

- g. Regarding claim 49, Grantges show wherein the task request is selected from the group consisting of searching a directory, opening a target file (column 11, line 13-55: look up local database user profile); Staples show accessing an e-mail application, sending a fax, reading a document over a dialed telephone connection (Fig. 1: Email server and FAX server, using client modem to access file server). Anderson shows powering on a device connected to the processing system, and powering off the device connected to the processing system (column 5, line 11-18: remote power control).
- h. Claims 59, 61-63 and 71-74 are of the same scope as claims 46 and 48-49. These are rejected for the same reasons as for claims 46 and 48-49.

Together Grantges, Staples and Anderson disclosed all limitations of claims 46, 48-49, 59, 61-63 and 71-74. Claims 46, 48-49, 59, 61-63 and 71-74 are rejected under 35 U.S.C. 103(a).

6. Claims 47, 53-55, 60, 65-67 and 75-78 are rejected under 35 U.S.C. 103(a) as being unpatentable over Grantges (US 6324648 B1), hereinafter referred as Grantges, and further in view of Makagon et al. (US 20040019638 A1), hereinafter referred as Makagon.

- a. Grantges shows claims 45, 58, 64 and 70 as above. Grantges shows (claim 47) wherein the gateway receives the result (Fig. 2, items 76 and 78; column 9, lines 19-35: result, i.e. options page). Grantges does not show (claim 47) wherein the gateway is transcoding the result for viewing by the user device.
- b. Makagon shows (claim 47) wherein the gateway is transcoding the result for viewing by the user device (paragraph 128: WAP and WML support for XML-based data

- display) in an analogous art for the purpose of enabling voice-based management of state and interaction of a remote knowledge worker in a contact center environment.
- c. It would have been obvious to a person of ordinary skill in the art at the time of the invention was made to modify Grantges' functions of secure gateway with Makagon's functions of wireless application access using WAP.
 - d. The modification would have been obvious because one of ordinary skill in the art would have been motivated to have wireless access capability per Makagon's teaching in accessing through proxy server per Grantges (column 3, lines 26-30) and Makagon (paragraph 20)'s teaching.
 - e. Regarding claim 53, Makagon shows wherein the remote gateway agent is installed in a wireless gateway in a wireless data network (paragraph 20 and 25: proxy server in wireless communication network).
 - f. Regarding claim 54, Makagon shows wherein the user device is a wireless network-capable device (paragraph 20 and 25: proxy server in wireless communication network).
 - g. Regarding claim 55, Makagon shows wherein the wireless network-capable device is a WAP enabled cellular phone (paragraph 25, 126 and 128: WAP used in wireless communication network with voice device).
 - h. Regarding claim 67, Makagon shows wherein directing the request to the processing system for processing comprises directing the request to the processing system for processing via an application program interface between the remote gateway agent and an application specified in the request (paragraph 127).

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- i. Claims 60 and 75 are of the same scope as claim 47. These are rejected for the same reasons as for claim 47.
- j. Claims 65-66 and 76-78 are of the same scope as claims 53-55. These are rejected for the same reasons as for claims 53-55.

Together Grantges and Makagon disclosed all limitations of claims 47, 53-55, 60, 65-67 and 75-78. Claims 47, 53-55, 60, 65-67 and 75-78 are rejected under 35 U.S.C. 103(a).

Response to Arguments

7. Applicant's arguments dated 05/26/2006 with respect to pending claims have been considered but are moot in view of the new ground(s) of rejection.
 - a. Applicant has cancelled all previously presented claims 1-44 and amended new claims 45-80.
 - b. Applicant has shown in the original claim 9 a wireless gateway in a wireless data network; in the original claims 20 and 22 logging a proxy server and authenticating for access, the proxy server is a gateway between the wireless network and the Internet; in the original specification, page 2, lines 5-15, a proxy server (gateway) is set up as a firewall to obtain Web browsing capability; in the original specification, page 10, lines 3-11, the remote agent gateway is used to provide remote access from a mobile to a desktop. Grantges has shown (Fig. 1; column 3, line 64-column4, line 22; claim 1) DMZ server (authorization server) on private network side of firewall to authenticate a client computer to access a destination server over an insecure network.
 - c. All amended new claims are carefully reviewed. Additional search is conducted. The newly amended claims are rejected as above. BELANGER et al. (US 20010014839 A1) is found relevant and added in Remarks section below.

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Remarks

8. The following pertaining arts are discovered and not used in this office action. Office reserves the right to use these arts in later actions.

- a. BELANGER et al. (US 20010014839 A1) REMOTE COMMUNICATION AND
INFORMATION MANAGEMENT SYSTEM

Conclusion

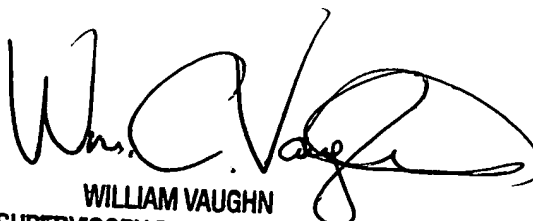
9. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Refer to the enclosed PTO-892 for details.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Peling A. Shaw whose telephone number is (571) 272-7968. The examiner can normally be reached on M-F 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, William C. Vaughn can be reached on (571) 272-3922. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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